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09/319202

U.S. APPLICATION NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
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09/319,202

SHIRASAKY

0 20-4576P

INTERNATIONAL APPLICATION NO.

PCT/JP97/04388

5611
BIRCH STEWART KOLASCH & BIRCH
PO BOX 747
FALLS CHURCH VA 22040-0747

I.A. FILING DATE

PRIORITY DATE

12/02/97

12/03/96

DATE MAILED:

07/01/99

**NOTIFICATION OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C. 371
AND 37 CFR 1.494 OR 1.495**

1. The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as ☐ a Designated Office (37 CFR 1.494), ☒ an Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is **ACCEPTED** for national patentability examination in the United States Patent and Trademark Office.

2. The United States Application Number assigned to the application is shown above and the relevant dates are:

00 June 99
35 U.S.C. 102(e) DATE

00 June 99
DATE OF RECEIPT OF
35 U.S.C. 371 REQUIREMENTS

REVIEWED BY
DOCKETING

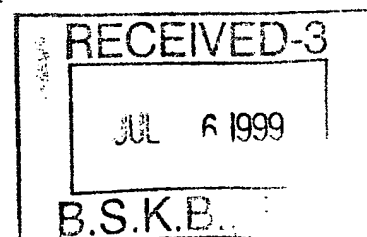
mm 7-12-99

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE "FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371(C) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

3. ☒ A request for immediate examination and the application will be

4. The following:

☒ U.S. B2
☒ Cor



FILING RECEIPT



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
09/319,202	06/02/99	1732	\$840.00	20-4576P	3	4	1

BIRCH STEWART KOLASCH & BIRCH
PO BOX 747
FALLS CHURCH VA 22040-0747

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts of Application" ("Missing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your reply to the "Missing Parts Notice." When the PTO processes the reply to the "Missing Parts Notice," the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s) OSAMU SHIRASAKI, OSAKA, JAPAN; SHOJI KAWACHI, OSAKA, JAPAN; SHINGO TANIGAWA, OSAKA, JAPAN.

CONTINUING DATA AS CLAIMED BY APPLICANT-

THIS APPLN IS A 371 OF PCT/JP97/04388 12/02/97

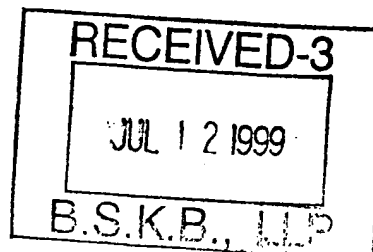
FOREIGN APPLICATIONS- JAPAN 322544/1996 12/03/96

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 07/07/99

TITLE

METHOD FOR BONDING AND MOLDING MODIFIED POLYETRAFLUOROETHYLENE MOLDINGS

PRELIMINARY CLASS: 264



DATA ENTRY BY: ORDONEZ, MARTA

TEAM: 11 DATE: 07/07/99



(See reverse for new important information)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

In re Application of: SHIRASAKI et al.

Application No.: 09/319,202

Filing Date: June 2, 1999 *Article*

Title: Method for Producing Molded of Modified
Polytetrafluoroethylene by Joining

Direct to: TC 1700 *Attn: Valerie R. Reid*
~~Box Reconstruction~~
 United States Patent and Trademark Office
 Washington, DC 20231

NOTICE UNDER 37 CFR 1.251 - Pending Application

Statement (check the appropriate box):

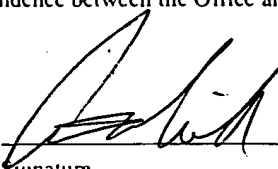
☐ The copy submitted with this reply is a complete and accurate copy of applicant's record of all of the correspondence between the Office and the applicant for the above-identified application (except for U.S. patent documents), and applicant is not aware of any correspondence between the Office and applicant for the above-identified application that is not among applicant's records.

☐ The copy of the paper(s) listed in the notice under 37 CFR 1.251 is/are a complete and accurate copy of applicant's record of such paper(s).

☐ The papers produced by applicant are applicant's complete record of all of the correspondence between the Office and the applicant for the above-identified application (except for U.S. patent documents), and applicant is not aware of any correspondence between the Office and the applicant for the above-identified application that is not among applicant's records.

☐ Applicant does not possess any record of the correspondence between the Office and the applicant for the above-identified application.

November 6, 2002
 Date


 Signature

Andrew D. Meikle, #32,868
 Typed or printed name *RG*

A copy of this notice should be returned with the reply.

Burden Hour Statement: This collection of information is required by 37 CFR 1.251. The information is used by the public to reply to a request for copies of correspondence between the applicant and the USPTO in order to reconstruct an application file. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 60 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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(4)

AUGUST 27, 1999

PTAS
BIRCH, STEWART, KOLASCH & BIRCH, LLP
ANDREW D. MEIKLE
P.O. BOX 747
FALLS CHURCH, VA 22040-0747



101079460A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/02/1999

REEL/FRAME: 010051/0056
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
SHIRASAKI, OSAMU

DOC DATE: 05/13/1999

ASSIGNOR:
KAWACHI, SHOJI

DOC DATE: 05/13/1999

ASSIGNOR:
TANIGAWA, SHINGO

DOC DATE: 05/13/1999

ASSIGNEE:
DAIKIN INDUSTRIES LTD.
4-12 NAKAZAKI-NISHI, 2-CHOME, KITA-
KU, OSAKA
UMEDA CENTER BUILDING
OSAKA-SHI, JAPAN 530

SERIAL NUMBER: 09319202
PATENT NUMBER:

FILING DATE: 06/02/1999
ISSUE DATE:

010051/0056 PAGE 2

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

06-29-1999



101079460

COVER SHEET

Marks and Trademarks:
References or copy thereof.

1. Name of conveying party(ies):

SHIRASAKI, Osamu; KAWACHI, Shoji;
TANIGAWA, Shingo

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: May 13, 1999

2. Name and address of receiving party(ies)

Name: DAIKIN INDUSTRIES LTD.

Internal Address:

Street Address: Umeda Center Building, 4-12 Nakazaki-
nishi, 2-chome, Kita-ku, Osaka

City: Osaka-shi State: ZIP:

Country: JAPAN Postal Code: 530

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: May 13, 1999

A. Patent Application No(s).

NEW

B. Patent No.(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Street Address: P.O. BOX 747

City: FALLS CHURCH State: VA ZIP: 22040-0747

Country: USA

6. Total No. of applications/patents involved: One (1)

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: 02-2448

(Attach triplicate copy of this page
if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Andrew D. Meikle, #32,868

Name of Person Signing/Reg. No.

Signature

June 2, 1999

Date

Total number of pages including cover sheet, attachments, and document: Three (3)

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, DC 20231

ADM/aam

ASSIGNMENT

Application No. NewFiled June 2, 1999Insert Name(s)
of Inventor(s)WHEREAS, Osamu SHIRASAKI, Shoji KAWACHI, andShingo TANIGAWA

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in _____

Insert Title
of InventionMETHOD FOR PRODUCING MOLDED ARTICLE OF MODIFIEDPOLYTETRAFLUOROETHYLENE BY JOININGfor which an application for Letters Patent of the United States of America has been executed by the undersigned
(except in the case of a provisional application).Insert Date
of Signing of
Applicationon May 13, 1999; andInsert Name
of AssigneeWHEREAS, Daikin Industries Ltd.Insert Address
of Assigneeof Umeda Center Building, 4-12, Nakazaki-nishi2-chome, Kita-ku, Osaka-shi, OSAKA 530 JAPANCHECK BOX
IF APPROPRIATEits heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of
acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that
may be granted therefor in the United States of America and
☐ in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>May 13, 1999</u> ,	Name of Inventor <u>Osamu Shirasaki</u> (signature) <u>Osamu SHIRASAKI</u>
Date <u>May 13, 1999</u> ,	Name of Inventor <u>Shoji Kawachi</u> (signature) <u>Shoji KAWACHI</u>
Date <u>May 13, 1999</u> ,	Name of Inventor <u>Shingo Tanigawa</u> (signature) <u>Shingo TANIGAWA</u>
Date _____ ,	Name of Inventor _____ (signature)
Date _____ ,	Name of Inventor _____ (signature)
Date _____ ,	Name of Inventor _____ (signature)



COPY

U32777 4610
Birch Stewart Kolasch & Birch
O P B ox 747
Falls Church, VA
22040-0747

NOTICE OF CONFIRMATION NUMBER ASSIGNMENT

(Confirmation Number Required For Electronic Filing System Submissions)

Starting November 29, 2000, newly filed utility and plant applications for patents become subject to publication, and pending utility and plant applications may be published on the request of applicants. See 35 USC 122(b) and Changes to Implement Eighteen-Month Publication of Patent Applications, 65 Fed. Reg. 57023 (September 20, 2000), 1239 Off. Gaz. Pat. Office 63 (October 10, 2000). See <http://www.uspto.gov/web/offices/dcom/olia/aipa/rulechgs.htm>. For applications filed before, but pending on, November 29, 2000, an applicant may request voluntary publication pursuant to 37 CFR 1.221. The request must include a copy of the application in compliance with the Office's Electronic Filing System (EFS) requirements and be accompanied by the publication fee (37 CFR 1.18(d)) and the processing fee (37 CFR 1.17(i)). See <http://www.uspto.gov/ebs/efs/index.html> for a discussion of the EFS requirements.

The EFS requirements include the use of a "confirmation number" in addition to the application number when submitting a specification for publication in order to ensure that the electronic submission is associated with the correct application number assigned to the application. This confirmation number is used in conjunction with the application number to identify a pending application. This procedure is necessary because many applications will have identical filing dates and similar application numbers and therefore a typographical error in the application number could result in the specification submitted via the EFS being placed in the wrong application if only the filing date and application number were used as the confirmation mechanism.

If an electronic copy of the data contained in this notice is desired, or if there are questions concerning this notice, contact the EBC Customer Support Center at (703) 305-3028.

Serial No.	Cnfrm No.	Filing	Attorney Dkt
09/315,031	5937	20-MAY-99	1247-0405P
09/315,125	6054	20-MAY-99	0879-0233P
09/316,032	7273	21-MAY-99	0630-0923P
09/316,039	7280	21-MAY-99	0630-0925P
09/316,041	7282	21-MAY-99	0020-4571P
09/317,970	9735	25-MAY-99	0630-0926P
09/318,627	1705	26-MAY-99	C-3568
09/318,773	1887	26-MAY-99	0229-0549P
09/319,171	2508	03-JUN-99	1422-378PCT
09/319,174	2512	03-JUN-99	3V-40
09/319,202	2596	02-JUN-99	20-4576P
09/319,365	2904	04-JUN-99	234-363PCT
09/319,505	3170	05-AUG-99	965-277P
09/319,573	3281	09-JUN-99	2032-120PCT
09/320,280	4448	02-JUN-99	0649-0688P-S
09/320,677	5143	27-MAY-99	2185-0339P-S
09/320,681	5154	27-MAY-99	0465-0573P-S
09/321,609	6730	28-MAY-99	425-727P
09/321,614	6735	28-MAY-99	1982-0124P
09/321,729	6971	28-MAY-99	2925-252P
09/321,731	6973	28-MAY-99	002278-US/TP
09/321,795	7049	28-MAY-99	2282-127P(NE
09/323,225	8924	01-JUN-99	2224-0156P
09/323,227	8926	01-JUN-99	0465-0575P-S
09/323,476	9232	01-JUN-99	0630-0928P
09/323,478	9234	01-JUN-99	2761-0117P
09/324,123	1088	02-JUN-99	1110-0238P
09/324,656	1833	03-JUN-99	3V-41
09/324,659	1850	03-JUN-99	1110-0239P
09/324,777	2006	03-JUN-99	0505-0503P
09/325,342	2706	04-JUN-99	0505-0499P
09/325,386	2753	04-JUN-99	2939-0101P
09/325,388	2755	04-JUN-99	2925-238P
09/325,391	2758	04-JUN-99	0879-0236P
09/325,543	2941	04-JUN-99	0505-0495P
09/325,751	3213	04-JUN-99	1982-0121P
09/325,753	3215	04-JUN-99	0054-0183P
09/326,674	4493	07-JUN-99	0011-0358P
09/327,623	5679	08-JUN-99	1190-0411P
09/327,632	5688	08-JUN-99	0630-0932P
09/327,952	6130	08-JUN-99	1982-0125P
09/327,954	6132	08-JUN-99	1982-0122P
09/328,494	6901	09-JUN-99	2947-102P
09/328,499	6906	09-JUN-99	2593-0114P
09/328,501	6908	09-JUN-99	1422-377P
09/329,247	7853	10-JUN-99	0459-0325P
09/330,088	8961	11-JUN-99	1110-0241P
09/330,091	8964	11-JUN-99	1982-0123P
09/330,132	9027	11-JUN-99	2658-0155P
09/330,151	9057	11-JUN-99	2593-0115P
09/330,190	9100	11-JUN-99	0649-0691P-S
09/330,192	9103	11-JUN-99	0656-0235P
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09/331,115	1268	07-JUL-99	2360-266P
09/331,665	1938	11-AUG-99	459-326P
09/331,785	2085	25-JUN-99	20-4581P
09/331,793	2093	25-JUN-99	1110-253PCT
09/331,966	2323	06-AUG-99	234-367PCT
09/332,063	2465	14-JUN-99	3362-0101P
09/333,266	3907	15-JUN-99	1247-0406P
09/333,959	4773	16-JUN-99	1607-197P
09/333,962	4776	16-JUN-99	0505-0504P
09/333,964	4778	16-JUN-99	1982-0126P
09/334,724	5648	17-JUN-99	0229-0552P
09/334,894	5846	17-JUN-99	2658-0156P
09/335,051	6038	16-JUN-99	1110-243P
09/335,056	6043	16-JUN-99	54-184P
09/335,897	7012	18-JUN-99	3348-101P

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Serial No.	Cnfrm No.	Filing	Attorney Dkt
09/315,123	6052	20-MAY-99	0505-0493P
09/315,285	6336	20-MAY-99	2679-114P
09/316,033	7274	21-MAY-99	0879-0234P
09/316,040	7281	21-MAY-99	2925-0224/GI
09/317,966	9731	25-MAY-99	0033-0612P
09/317,971	9738	25-MAY-99	2925-214P
09/318,772	1886	26-MAY-99	0020-4574P
09/319,043	2305	01-JUN-99	425-728P
09/319,172	2510	02-AUG-99	2712-109P
09/319,198	2592	16-AUG-99	599-192PCT
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09/319,438	3079	07-JUN-99	14-196PCT
09/319,572	3280	09-JUN-99	2835-107P
09/319,872	3686	14-JUN-99	649-690P
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09/320,691	5164	27-MAY-99	2593-0113P
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09/321,730	6972	28-MAY-99	2119-113P
09/321,794	7048	28-MAY-99	114850/ALLPR
09/323,224	8923	01-JUN-99	0630-0927P
09/323,226	8925	01-JUN-99	0425-0729P
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09/323,477	9233	01-JUN-99	0150-0122P
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09/324,125	1093	02-JUN-99	0020-4575P
09/324,657	1834	03-JUN-99	0630-0929P
09/324,776	2005	03-JUN-99	0465-0537P-S
09/324,778	2007	03-JUN-99	0879-0235P
09/325,385	2752	04-JUN-99	2016-0160P
09/325,387	2754	04-JUN-99	84-209P
09/325,390	2757	04-JUN-99	84-210P
09/325,431	2815	04-JUN-99	0879-0237P
09/325,749	3211	04-JUN-99	0717-0425P
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09/326,676	4495	07-JUN-99	2185-0340P-S
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09/333,678	4369	16-JUN-99	1381-0256P
09/333,960	4774	16-JUN-99	0152-0502P-S
09/333,963	4777	16-JUN-99	1982-0127P
09/333,965	4779	16-JUN-99	1982-0128P
09/334,725	5649	17-JUN-99	2611-112P
09/334,895	5847	17-JUN-99	465-581P
09/335,053	6040	16-JUN-99	2936-0110P
09/335,057	6044	16-JUN-99	2959-102P
09/335,898	7013	18-JUN-99	3209-106P

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BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ATTORNEY DOCKET NO.
20-4576P

ASSIGNMENT

Application No. New

Filed June 2, 1999

Insert Name(s) of Inventor(s) ➡ WHEREAS, Osamu SHIRASAKI, Shoji KAWACHI, and
Shingo TANIGAWA

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in _____

Insert Title of Invention ➡ METHOD FOR PRODUCING MOLDED ARTICLE OF MODIFIED
POLYTETRAFLUOROETHYLENE BY JOINING

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date of Signing of Application ➡ on May 13, 1999; and

Insert Name of Assignee ➡ WHEREAS, Daikin Industries Ltd.

Insert Address of Assignee ➡ of Umeda Center Building, 4-12, Nakazaki-nishi
2-chome, Kita-ku, Osaka-shi, OSAKA 530 JAPAN

CHECK BOX IF APPROPRIATE ➡ ☐ in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>May 13, 1999</u> ,	Name of Inventor <u>Osamu shirosaki</u> (signature) <u>Osamu SHIRASAKI</u>
Date <u>May 13, 1999</u> ,	Name of Inventor <u>Shoji Kawachi</u> (signature) <u>Shoji KAWACHI</u>
Date <u>May 13, 1999</u> ,	Name of Inventor <u>Shingo Tanigawa</u> (signature) <u>Shingo TANIGAWA</u>
Date _____ ,	Name of Inventor _____ (signature)
Date _____ ,	Name of Inventor _____ (signature)
Date _____ ,	Name of Inventor _____ (signature)